Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 6 (currently amended): A plasma processing 1 method in which an electrode that is a conductor and has a 2 top surface that is greater in external size than a 3 substrate to be plasma-processed that has an insulating 4 provided front surface thereof is 5 on a processing room, the top surface of the electrode has a top 6 surface central area that is inside a boundary line that is 7 distant inward by a prescribed length from an outer 8 periphery of the substrate and in which the conductor is 9 exposed and a ring-shaped top surface peripheral area that 10 surrounds the top surface central area and in which the 11 conductor is covered with an insulating coating, and plasma 12 processing is performed in a state that the substrate is 13 held by the top surface of the electrode by electrostatic 14 absorption and the electrode is being cooled, characterized 15 in: comprising: 16 that the substrate is mounted mounting the substrate 17 on the top surface of the electrode in such a manner that 18 19 central portion and a peripheral portion insulating layer of the substrate are in contact with the 20 top surface central area and the insulating coating in the 21 top surface peripheral area, respectively; 22

- that the substrate is electrostatically absorbed 23 24 electrostatically absorbing the substrate on surface central area by mainly utilizing the central 25 portion of the insulating layer as a dielectric for 26 electrostatic absorption; and 27 28 that the top surface central area of the electrode is insulated insulating the top surface central area of the 29 electrode from plasma by bringing the outer peripheral 30 portion of the insulating layer into close contact with the 31 insulating coating. 32
- Claim 7 (original): The plasma processing method
 according to claim 6, wherein the substrate is a
 semiconductor substrate on the front surface of which logic
 circuits are formed, and that a back surface of the
 semiconductor substrate is etched by the plasma processing.
- The plasma processing method 1 Claim 8 (original): claim 7, wherein microcracks 2 according to that 3 developed on the back surface of the semiconductor substrate in mechanical processing are etched away. 4